



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,942	07/15/2003	Kenneth Kang-Yeh	WNS. P002	6846

7590 02/05/2007  
ANAND SETHURAMAN  
929 CARSON DRIVE  
SUNNYVALE, CA 94086

EXAMINER
----------

CAI, WAYNE HUU

ART UNIT	PAPER NUMBER
----------	--------------

2617

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/05/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/619,942	<b>Applicant(s)</b> KANG-YEH ET AL.	
	<b>Examiner</b> Wayne Cai	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 July 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Drawings*

1. The drawings were received on July 15, 2003. These drawings are acceptable.

### *Claim Rejections - 35 USC § 112*

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 1 recites the limitation "said registry" in line 3, line 7, line 9, and line 10 should be corrected as - - said wireless name service registry - -.

Claim 1 recite the limitation "said server" in line 6, line 7 should be corrected as -  
- said wireless name service server - -

There is insufficient antecedent basis for this limitation in the claim.

### *Claim Objections*

4. Claim 18 is objected to because of the following informalities:

"A **method** according to claim 16" should be corrected as - - A **system** according to claim 16 - -

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 1, 7, 9, 10, 13, 16, and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Mack (US 6,192,044).

**Regarding claim 1**, Mack teaches or suggests a system for communicating information to a mobile device comprising (abstract):

a Wireless Name Service Registry, said registry maintaining a plurality of records, each record corresponding to a unique identifier, each record containing at least one data element (i.e., look-up service 194 and/or universal locator 198 contains an network or Internet Provider (IP) address corresponding to a person who is identified by an identifier. See col. 4, lines 30-35);

a Wireless Name Service Server(i.e., white pages service 190), said Server couple to communicate with said registry (i.e., look-up service 194 and/or universal locator service 198), said Server receiving inputs from said mobile device and formulating a query thereby (i.e., caller 14 requests to communicate with callee 18. Step 600 of figure 6), said query indexing into said registry to return at least one of said at least one data element from said Registry, said returned data elements communicated to said mobile device (step 604 teaches or suggests returning the telephone number of the callee 18 and the identity of the callee network access provider 24), wherein said

Art Unit: 2617

mobile device takes action using said returned data elements (step 608 of figure 6 teaches the caller 14 sends a request to the callee connection service 128 hosted by the callee network access provider 24 including the telephone number of the callee 18).

**Regarding claim 7**, Mack discloses all limitations within claim as described above. Mack also discloses wherein said inputs include at least one a primary input and an optional command (i.e., a unique identifier as taught at col. 6, lines 35-46).

**Regarding claim 9**, Mack discloses all limitations within claim as described above. Mack also discloses wherein said primary input includes one of a WNS unique ID, an e-mail address, a keyword, a phrase, a place name and a proper name (col. 6, lines 35-46).

**Regarding claim 10**, Mack discloses all limitations within claim as described above. Mack also discloses wherein a NULL command or absence of any command returns keyed data elements from said Registry (i.e., to request for the callee's 18 information).

**Regarding claim 13**, Mack discloses all limitations within claim as described above. Mack also discloses wherein said keyed data elements include a telephone number or other electronic address that said mobile device can connect directly to (col. 6, lines 58-67).

**Regarding claim 16**, Mack discloses all limitations within claim as described above. Mack further discloses wherein each record is capable of being associated with at least one of a contact list, white list and black list (i.e., the contacts provided by white pages service 190).

**Regarding claim 18**, Mack discloses all limitations within claim as described above. Mack further discloses wherein said lists may have entries which are linked to other records in said Registry (col. 6, lines 35-46).

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 2-4, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mack (US 6,192,044).

**Regarding claim 2**, Mack discloses all limitations within claim as described above. Mack further teaches the mobile device as the personal computer, but Mack does not specifically teach said mobile device is a cellular telephone. However, it is obvious and/or well known in the art to incorporate the mobile device as the cellular phone because it is more convenient for subscribers/users to communicate with others at anytime and anywhere using the teaching of Mack.

**Regarding claim 3**, Mack discloses all limitations within claim as described above. Mack also discloses wherein said returned data elements include a telephone number (col. 5, lines 65-67).

Art Unit: 2617

**Regarding claim 4**, Mack discloses all limitations within claim as described above. Mack also discloses wherein said cellular telephone automatically attempts to connect to the device identified by said telephone number (i.e., a PSTN call to the callee 18. See col. 6, lines 58-65).

**Regarding claim 17**, Mack discloses all limitations within claim as described above. Although, Mack does not specifically discloses wherein said lists can be downloaded to any device or uploaded from any device. Mack, however, teaches or discloses retrieving the callee 18 information to the mobile device such as person's name, postal address, electronic mail address, social security number, and other commonly used identifiers as taught at col. 6, lines 35-46. Therefore, it is obvious and/or well known in the art that the lists could be easily downloaded or uploaded to the mobile device so that the subscribers do not have to retrieve information of an individual separately.

9. Claims 5, 6, 8, 11, 12, 14, and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mack (US 6,192,044) in view of Douvikas et al. (hereinafter "Douvikas", US 6,889,213).

**Regarding claims 5 and 6**, Mack discloses all limitations within claim as described above. Mack does not specifically disclose wherein said Wireless Name Server is configured to resolve rules in order to determine which of said data elements are to be returned to said mobile device, and wherein said rules include the

Art Unit: 2617

consideration of at least one of the time, the date, the identity of the mobile device and the current geographic location of the mobile device.

In a similar endeavor, Douvikas discloses an e-service to manage contact information with privacy levels. Douvikas further discloses wherein said Wireless Name Server is configured to resolve rules in order to determine which of said data elements are to be returned to said mobile device, and wherein said rules include the consideration of at least one of the time, the date, the identity of the mobile device and the current geographic location of the mobile device (abstract, col. 2, lines 47-67, col. 6, lines 5-34).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Mack in view of Douvikas.

The motivation/suggestion for doing so would have been to increase the security and prevent from any unauthorized accessibility to the private information.

**Regarding claims 8, 14, and 15,** Mack discloses all limitations within claim as described above. Mack does not specifically disclose wherein if said primary input does not exactly match a unique ID in said registry, said primary input is disambiguated by said WNS Server, wherein said disambiguation includes the consideration of at least one of the time, the date, the identity of the mobile device and the current geographic location of the mobile device, and if said primary input is a keyword, then the WNS Server can disambiguate said keyword based on priority of owners to such keywords.

In a similar endeavor, Douvikas discloses an e-service to manage contact information with privacy levels. Douvikas further discloses wherein if said primary input



Art Unit: 2617

does not exactly match a unique ID in said registry, said primary input is disambiguated by said WNS Server, wherein said disambiguation includes the consideration of at least one of the time, the date, the identity of the mobile device and the current geographic location of the mobile device, and if said primary input is a keyword, then the WNS Server can disambiguate said keyword based on priority of owners to such keywords (col. 14, lines 9-18).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Mack in view of Douvikas.

The motivation/suggestion for doing so would have been to provide subscribers with flexibility in searching for other people information.

**Regarding claims 11 and 12**, Mack discloses all limitations within claim as described above. Mack does not specifically disclose wherein said data elements are associated with an access level, and wherein said access levels include private, public, keyed, keyed by rule and list.

In a similar endeavor, Douvikas discloses an e-service to manage contact information with privacy levels. Douvikas further discloses wherein said data elements are associated with an access level, and wherein said access levels include private, public, keyed, keyed by rule and list (abstract, col. 2, lines 47-67).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine Mack in view of Douvikas.


The motivation/suggestion for doing so would have been to increase the security and prevent from any unauthorized accessibility to the private information.

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Cai whose telephone number is (571) 272-7798. The examiner can normally be reached on Monday - Thursday from 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571) 272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Wayne Cai  
Art Unit 2617



**DUC M. NGUYEN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**